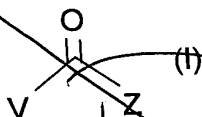


We claim:

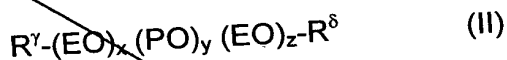
1. A herbicidal composition comprising
 5 A) one or more compounds of the formula (I)



where V is an unsubstituted or substituted heterocyclyl radical or a radical $-\text{CR}^\alpha = \text{CR}^\beta \text{R}^{\beta 1}$, where R^α and R^β are identical or different carbon-containing $\text{C}_1\text{-C}_{40}$ radicals which together can form an unsubstituted or substituted ring, and $\text{R}^{\beta 1}$ is OH or a carbon-containing $\text{C}_1\text{-C}_{40}$ radical, and Z is an unsubstituted or substituted aryl radical, and

- B) one or more surfactants comprising, as structural element, at least 10, alkylene oxide units.

2. A herbicidal composition as claimed in claim 1 comprising, as component B), one or more surfactants of the general formula (II)



where

- EO denotes an ethylene oxide unit,
 PO denotes a propylene oxide unit,
 x denotes an integer from 1 to 50,
 25 y denotes an integer from 0 to 50,
 z denotes an integer from 0 to 50,

where the total $(x+y+z) \geq 10$ and ≤ 150 , and

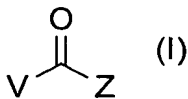
30 R^γ denotes OH, an unsubstituted or substituted $\text{C}_1\text{-C}_{40}$ -hydrocarboxy radical, an O-acyl radical or $\text{NR}^{\text{I}}\text{R}^{\text{II}}$ or $[\text{NR}^{\text{I}}\text{R}^{\text{II}}\text{R}^{\text{III}}]^\oplus \text{X}^\ominus$, where R^{I} , R^{II} and R^{III} are identical or different and denote H or an unsubstituted or substituted $\text{C}_1\text{-C}_{30}$ -

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hydrocarbon radical which can optionally be bound via a group $(EO)_w$, where w is an integer from 1 to 50, X^\ominus is an anion, and

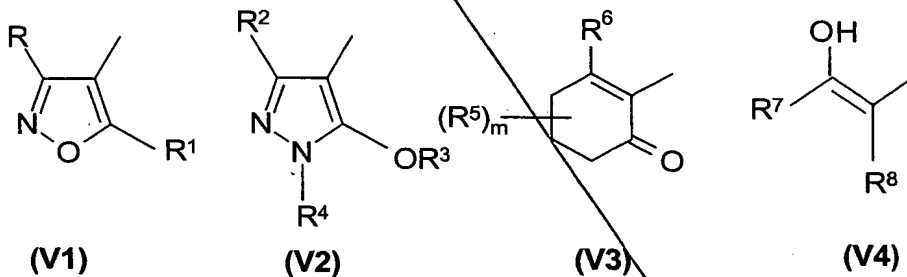
R^5 denotes H, an unsubstituted or substituted C_1 - C_{40} -hydrocarbon radical, an acyl radical or $NR^I R^{II}$ or $[NR^I R^{II} R^{III}]^\oplus X^\ominus$, where R^I , R^{II} and R^{III} are identical or different and denote H or an unsubstituted or substituted C_1 - C_{30} -hydrocarbon radical which can optionally be bound via a group $(EO)_w$, where w is an integer from 1 to 50, X^\ominus is an anion.

3. A herbicidal composition as claimed in claim 1, comprising, as component A), a compound of the formula (I)



in which

V is a radical selected from the group (V1) to (V4),

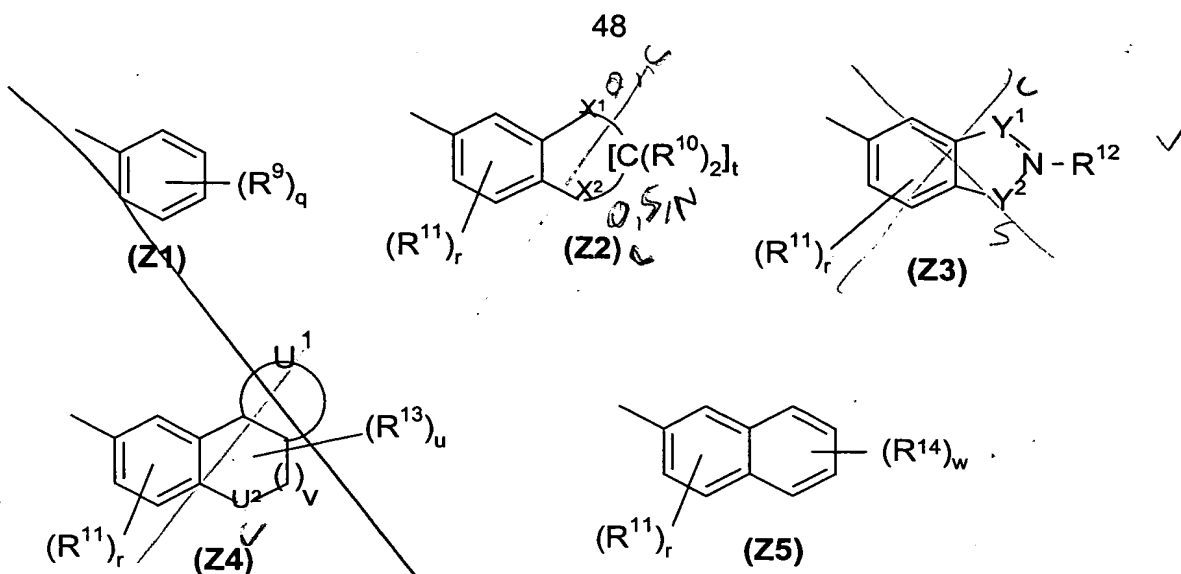


where the symbols and indices have the following meanings:

R is hydrogen, $(C_1$ - $C_{10})$ alkoxycarbonyl, $(C_1$ - $C_{10})$ haloalkoxycarbonyl, $(C_1$ - $C_{10})$ alkylsulfonyl, $(C_1$ - $C_{10})$ alkylsulfinyl, $(C_1$ - $C_{10})$ alkylthio, COOH or cyano;

R^1 is hydrogen or a $(C_1$ - $C_{10})$ carbon-containing radical such as $(C_1$ - $C_{10})$ alkyl, $(C_2$ - $C_{10})$ alkenyl, $(C_2$ - $C_{10})$ alkynyl, $(C_3$ - $C_{10})$ cycloalkyl, $(C_3$ - $C_{10})$ cycloalkenyl, $(C_1$ - $C_{10})$ alkyl- $(C_3$ - $C_{10})$ cycloalkyl, $(C_3$ - $C_{10})$ halocycloalkyl, $(C_1$ - $C_{10})$ alkylthio-cycloalkyl, $(C_1$ - $C_{10})$ haloalkyl or $(C_2$ - $C_{10})$ haloalkenyl;

- Cond.
- 5
- 10
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- m
- and Z is an unsubstituted or substituted aryl radical, preferably selected from the group (Z1) to (Z5),
- [Handwritten flourish]*
- R^2 is hydrogen, (C₁-C₁₀)alkyl, (C₁-C₁₀)alkoxy, (C₁-C₁₀)haloalkyl, halogen, (C₁-C₁₀)haloalkoxy, cyano or nitro;
- R^3 is hydrogen or a (C₁-C₁₀) carbon-containing radical such as (C₁-C₁₀)alkyl, (C₂-C₁₀)alkenyl, (C₂-C₁₀)alkynyl, (C₁-C₁₀)haloalkyl, (C₁-C₁₀)alkoxy-(C₁-C₁₀)alkyl, (C₁-C₁₀)alkylcarbonyl, (C₁-C₁₀)alkylsulfonyl, (C₁-C₁₀)haloalkylsulfonyl, unsubstituted or substituted arylsulfonyl, unsubstituted or substituted arylcarbonyl-(C₁-C₁₀)alkyl or unsubstituted or substituted aryl-(C₁-C₁₀)alkyl;
- R^4 is hydrogen or a (C₁-C₁₀) carbon-containing radical such as (C₁-C₁₀)alkyl, (C₂-C₁₀)alkenyl, (C₂-C₁₀)alkynyl, (C₁-C₁₀)haloalkyl, phenyl or benzyl;
- R^5 is a (C₁-C₁₂) carbon-containing radical such as (C₁-C₁₀)alkyl, (C₁-C₁₀)alkoxy, (C₁-C₁₀)alkoxy-(C₁-C₁₀)alkyl, (C₁-C₁₀)dialkoxy-(C₁-C₁₀)alkyl, (C₁-C₁₀)alkylthio, halogen, substituted or unsubstituted aryl, tetrahydropyran-4-yl, tetrahydropyran-3-yl, tetrahydrothiopyran-3-yl, 1-methylthio-cyclopropyl, 2-ethylthio-propyl, or two radicals R^5 together are (C₂-C₁₀)alkylene;
- R^6 is hydroxyl or a (C₁-C₁₀) carbon-containing radical such as (C₁-C₁₀)alkoxy, (C₁-C₁₀)haloalkoxy, formyloxy, (C₁-C₁₀)alkylcarbonyloxy, (C₁-C₁₀)alkylsulfonyloxy, (C₁-C₁₀)alkylthio, (C₁-C₁₀)haloalkylthio, unsubstituted or substituted arylthio, unsubstituted or substituted aryloxy, (C₁-C₁₀)alkylsulfinyl or (C₁-C₁₀)alkylsulfonyl;
- R^7 is a (C₁-C₇) carbon-containing radical such as (C₁-C₄) alkyl, (C₁-C₄) haloalkyl, (C₃-C₇) cycloalkyl, (C₁-C₄) alkyl-(C₃-C₇)cycloalkyl, (C₃-C₇) halocycloalkyl;
- R^8 is a (C₁-C₄) carbon-containing radical such as cyano, (C₁-C₄) alkoxy-carbonyl, (C₁-C₄) alkylcarbonyl, (C₁-C₄) alkylsulfonyl, (C₁-C₄) alkylsulfinyl, (C₁-C₄) alkylthio, (C₁-C₄) alkylaminocarbonyl, (C₁-C₄) dialkylaminocarbonyl;
- m is an integer from 0 to 6, where, if $m \geq 2$, the radicals R^5 can be identical or different from one another;



where the symbols and indices have the following meanings:

R^9 radicals are identical or different and are nitro, amino, halogen, OH, SF₅ or a (C₁-C₁₀) carbon-containing radical such as (C₁-C₁₀)alkyl, (C₂-C₁₀)alkenyl, (C₂-C₁₀)alkynyl, (C₁-C₁₀)haloalkyl, (C₂-C₁₀)haloalkenyl, (C₂-C₁₀)haloalkynyl, (C₁-C₁₀)haloalkoxy, (C₁-C₁₀)haloalkylthio, (C₁-C₁₀)alkoxycarbonyl, (C₁-C₁₀)alkylsulfonyl, (C₁-C₁₀)alkylsulfinyl, (C₁-C₁₀)alkylthio, arylsulfonyl, arylsulfinyl, arylthio, (C₁-C₁₀)alkoxy, (C₁-C₁₀)alkoxy-(C₁-C₁₀)alkoxy, (C₁-C₁₀)alkylthio-(C₁-C₁₀)-alkoxy, (C₁-C₁₀)alkylcarbonyl, (C₁-C₁₀)alkylaminosulfonyl, (C₁-C₁₀)dialkylaminosulfonyl, (C₁-C₁₀)alkylcarbamoyl, (C₁-C₁₀)dialkylcarbamoyl, (C₁-C₁₀)alkoxy-(C₁-C₁₀)alkyl, (C₁-C₁₀)haloalkoxy-(C₁-C₁₀)alkyl, (C₁-C₄)alkoxy-(C₁-C₄)-alkoxy-(C₁-C₄)-alkoxy-(C₁-C₄)-alkyl, (C₃-C₆)-cycloalkyl-(C₁-C₄)-alkoxy, (C₃-C₆)cycloalkoxy-(C₁-C₄)-alkyl, phenoxy, cyano, alkylamino, dialkylamino, unsubstituted or substituted benzyl, unsubstituted or substituted heteroaryl, unsubstituted or substituted heterocyclyl, 2-tetrahydrofuranyl-(C₁-C₄)alkoxy-(C₁-C₄)-alkyl, unsubstituted or substituted heteroaryl-(C₁-C₁₀)alkyl or di-(C₁-C₁₀)alkylphosphono-(C₁-C₁₀)alkyl;

q is 0, 1, 2, 3, 4 or 5;

R^{10} radicals are identical or different and are hydrogen, (C₁-C₁₀)alkyl, halogen;

R^{11} radicals are identical or different and are (C₁-C₁₀)alkyl, (C₂-C₁₀)alkenyl, (C₂-C₁₀)alkynyl, halogen, (C₁-C₁₀)haloalkyl, (C₂-C₁₀)haloalkenyl, (C₂-C₁₀)haloalkynyl, (C₁-C₁₀)haloalkoxy, (C₁-C₁₀)haloalkylthio, (C₁-

C₁₀)alkoxycarbonyl, (C₁-C₁₀)alkylsulfonyl, (C₁-C₁₀)haloalkylsulfonyl, (C₁-C₁₀)alkylsulfinyl, (C₁-C₁₀)haloalkylsulfinyl, (C₁-C₁₀)alkylthio, (C₁-C₁₀)alkoxy, (C₁-C₁₀)alkylcarbonyl, (C₁-C₁₀)alkylaminosulfonyl, (C₁-C₁₀)dialkylamino-sulfonyl, (C₁-C₁₀)alkylcarbamoyl, (C₁-C₁₀)dialkylcarbamoyl, (C₁-C₁₀)alkoxyalkyl, phenoxy, nitro, cyano, aryl or di-(C₁-C₁₀)alkylphosphono-(C₁-C₁₀)alkyl;

X¹ is O, CR¹⁵R¹⁶, CHOH, C=O, C=NO(C₁-C₁₀)alkyl;

X² is O, S, SO, SO₂, CH₂, NH, N(C₁-C₁₀)alkyl, NSO₂(C₁-C₁₀)alkyl;

R¹⁵, R¹⁶ radicals are identical or different and are hydrogen, (C₁-C₁₀)alkyl, (C₁-C₁₀)alkoxy, (C₁-C₁₀)haloalkoxy, (C₁-C₁₀)alkylthio, (C₁-C₁₀)haloalkylthio or R¹⁵ and R¹⁶ together form one of the groups -O-(CH₂)₂-O-, -O-(CH₂)₃-O-, S-(CH₂)₂-S-, -S-(CH₂)₃-S-, -(CH₂)₄-, -(CH₂)₅-;

r is 0, 1, 2 or 3;

t is 1 or 2;

Y¹, Y² are SO₂ or CO, with the proviso that Y¹ ≠ Y²,

v is 1 or 2;

U¹ together with the carbon atoms to which it is linked forms a carbocyclic or heterocyclic ring which can be aromatic or fully or partially saturated;

U² is O, S, SO, SO₂, CH₂, NH, N(C₁-C₁₀)alkyl, NSO₂(C₁-C₁₀)alkyl;

R¹² is hydrogen, (C₁-C₁₀)alkyl, (C₃-C₁₀)-cycloalkyl, (C₂-C₁₀)alkenyl, (C₂-C₁₀)alkynyl, optionally substituted phenyl, optionally substituted benzyl, (C₁-C₁₀)-acyl;

R¹³ is an unsubstituted or substituted (C₁-C₁₀) hydrocarbon radical such as (C₁-C₁₀)alkyl or aryl;

u is 0, 1 or 2;

R¹⁴ radicals are identical or different and are nitro, amino, halogen, SF₅ or a (C₁-C₁₀) carbon-containing radical such as (C₁-C₁₀)alkyl, (C₂-C₁₀)alkenyl, (C₂-C₁₀)alkynyl, (C₁-C₁₀)haloalkyl, (C₂-C₁₀)haloalkenyl, (C₂-C₁₀)haloalkynyl, (C₁-C₁₀)haloalkoxy, (C₁-C₁₀)haloalkylthio, (C₁-C₁₀)alkoxycarbonyl, (C₁-C₁₀)alkylsulfonyl, (C₁-C₁₀)alkylsulfinyl, (C₁-C₁₀)alkylthio, arylsulfonyl, arylsulfinyl, arylthio, (C₁-C₁₀)alkoxy, (C₁-C₁₀)alkoxy-(C₁-C₁₀)alkoxy, (C₁-C₁₀)alkylthio-(C₁-C₁₀)-alkoxy, (C₁-C₁₀)alkylcarbonyl, (C₁-C₁₀)alkylaminosulfonyl,

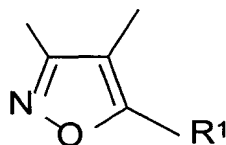
O O N
S C R

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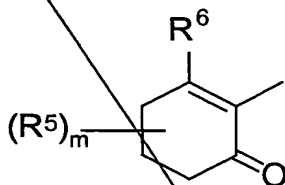
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(C₁-C₁₀)dialkylaminosulfonyl, (C₁-C₁₀)alkylcarbamoyl,
 (C₁-C₁₀)dialkylcarbamoyl, (C₁-C₁₀)alkoxy-(C₁-C₁₀)alkyl, (C₁-C₁₀)haloalkoxy-
 (C₁-C₁₀)alkyl, phenoxy, cyano, alkylamino, dialkylamino, unsubstituted or
 substituted benzyl, unsubstituted or substituted heteroaryl, unsubstituted or
 substituted heterocyclyl, unsubstituted or substituted heteroaryl-(C₁-C₁₀)alkyl
 or di-(C₁-C₁₀)alkylphosphono-(C₁-C₁₀)alkyl, and
 w is 0, 1, 2, 3 or 4.

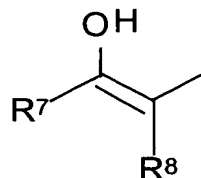
4. A herbicidal composition as claimed in claim 1, comprising, as component A),
 a compound of the formula (I) where
 V is a radical (V1), (V3) or (V4),



(V1)



(V3)



(V4)

where the symbols and indices have the following meanings:

R is hydrogen or (C₁-C₄) alkoxy carbonyl;

R¹ is (C₃-C₈)cycloalkyl or (C₁-C₄)alkyl -(C₃-C₈)cycloalkyl

R⁵ is (C₁-C₁₀)alkyl, (C₁-C₄) alkoxy or two radicals R⁵ together are (C₂-C₆)alkylene;

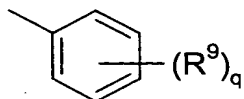
R⁶ is hydroxyl, (C₁-C₄) alkoxy or phenylthio;

R⁷ is (C₁-C₄) alkyl or (C₃-C₇) cycloalkyl,

R⁸ is C₁-C₄ (alkylcarbonyl), (C₁-C₄) alkoxy carbonyl or cyano;

m is 0, 1 or 2;

and Z is a radical (Z1),



(Z1)

where the symbols and indices have the following meanings:

R^9 radicals are identical or different and are nitro, halogen, (C₁-C₁₀) haloalkyl, (C₁-C₁₀) alkylsulfonyl, (C₁-C₁₀) haloalkoxy, (C₁-C₁₀) alkoxy-(C₁-C₁₀)-alkyl, (C₁-C₁₀) haloalkoxy-(C₁-C₁₀) alkyl, (C₁-C₄) alkoxy-(C₁-C₄)-alkoxy-(C₁-C₄)-alkoxy-(C₁-C₄)-alkyl, (C₃-C₆)-cycloalkyl-(C₁-C₄)-alkoxy, (C₃-C₆)cycloalkoxy-(C₁-C₄)-alkyl, (C₁-C₁₀) alkoxy -(C₁-C₁₀) alkoxy, 2-tetrahydrofuranyl-(C₁-C₄)alkoxy-(C₁-C₄)-alkyl, or heterocyclyl, which is unsubstituted or substituted by, for example, one or more radicals selected from the group halogen, (C₁-C₁₀) alkoxy, (C₁-C₁₀)haloalkoxy, (C₁-C₁₀) alkylthio, hydroxyl, amino, nitro, carboxyl, cyano, azido, (C₁-C₁₀)alkoxycarbonyl, (C₁-C₁₀)alkylcarbonyl, formyl, carbamoyl, mono- and di-(C₁-C₁₀)alkylaminocarbonyl, acylamino, mono- and di-(C₁-C₁₀)alkylamino, (C₁-C₁₀)alkylsulfinyl, (C₁-C₁₀)haloalkylsulfinyl, (C₁-C₁₀)alkylsulfonyl, (C₁-C₁₀)haloalkylsulfonyl or unsubstituted or substituted (C₁-C₁₀)alkyl such as (C₁-C₁₀)haloalkyl, (C₁-C₁₀)alkoxyalkyl, (C₁-C₁₀)haloalkoxyalkyl, (C₁-C₁₀)alkylthioalkyl, (C₁-C₁₀)hydroxyalkyl, (C₁-C₁₀)aminoalkyl, (C₁-C₁₀)nitroalkyl, (C₁-C₁₀)carboxyalkyl, (C₁-C₁₀)cyanoalkyl or (C₁-C₁₀)azidoalkyl,

q is 0, 1, 2, 3, 4 or 5, preferably 2 or 3.

5. A herbicidal composition as claimed in claim 1 comprising, as component A), a compound of the formula (I)

where the symbols and indices have the following meanings:

V is the radical (V 2);

R^2 is hydrogen, (C₁-C₄)-alkyl or (C₁-C₄)-alkoxy;

R^3 is hydrogen or (C₁-C₄)-alkylsulfonyl;

R^4 is methyl, ethyl or n-propyl;

Z is the radical (Z 1);

R^9 radicals are identical or different and are nitro, halogen, (C₁-C₄)haloalkyl or (C₁-C₄)alkylsulfonyl;

q is 2 or 3.

6. A herbicidal composition as claimed in claim 1 comprising, as component A), a compound of the formula (I) where the symbols and indices have the following meanings:

V is a radical (V 1) or (V 3);

5 R is hydrogen, methoxycarbonyl or ethoxycarbonyl;

R¹ is cyclopropyl;

R⁵ is methyl;

R⁶ is hydroxyl;

m is 0, 1 or 2;

10 Z is the radical (Z 1);

R⁹ radicals are identical or different and are nitro, chlorine, fluorine, bromine, (C₁-C₄)-haloalkyl, (C₁-C₄)-alkylsulfonyl, (C₁-C₄)-haloalkoxy, (C₁-C₄)-alkoxy-(C₁-C₄)-alkyl, (C₁-C₄)-haloalkoxy-(C₁-C₄)-alkyl, 2-tetrahydrofuran-yl-methoxymethyl, (C₁-C₂)-alkoxy-(C₁-C₄)-alkoxy-(C₁-C₄)-alkoxy-(C₁-C₄)-alkyl, (C₃-C₆)-cycloalkoxy-(C₁-C₂)-alkyl, (C₃-C₆)-cycloalkyl-(C₁-C₂)-alkoxy, (C₁-C₄)-alkoxy-(C₁-C₄)-alkoxy or are 4,5-dihydroisoxazol-3-yl which is substituted by a radical selected from the group consisting of cyanomethyl, ethoxymethyl and methoxymethyl,

q is 2 or 3.

7. A herbicidal composition as claimed in claim 1 comprising, as component A), a compound of the formula (I) where the symbols and indices have the following meanings:

V is the radical (V 2);

25 R² is hydrogen, methyl or ethyl;

R³ is hydrogen, methylsulfonyl or ethylsulfonyl;

R⁴ is methyl, ethyl or n-propyl;

Z is the radical (Z 1);

30 R⁹ radicals are identical or different and are methylsulfonyl, ethylsulfonyl, chlorine, bromine, fluorine, trifluoromethyl, (C₁-C₄)-alkoxy, (C₁-C₄)-haloalkoxy or (C₁-C₄)-haloalkoxy-(C₁-C₄)-alkyl;

q is 2 or 3.

8. A herbicidal composition as claimed in claim 1, additionally comprising one or more further components selected from the group containing agrochemical active ingredients of a different type, additives conventionally used in crop protection, and formulations relating thereto.

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9. A method of controlling harmful plants, wherein the herbicidal composition defined as in claim 1 is applied to the plants, plant parts, seeds of the plants or the area under cultivation pre-emergence, post-emergence or pre- and post-emergence.

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10. The method as claimed in claim 9 for the selective control of harmful plants in plant crops.

11. The use of the herbicidal composition as defined in claim 1 for controlling harmful plants.

12. A process for the preparation of the herbicidal composition defined as in one or more of claims 1 to 8, wherein the compound(s) of the formula (I) is/are mixed with one or more surfactants B).

13. The process as claimed in claim 12, wherein components A) and B) are mixed with water and/or an oil by the tank mix method.

SP. 1.2

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add A1

add
C1